

Data Sheet



GROUND SETTLEMENT POINT (SOIL)

MODEL ESMP-10

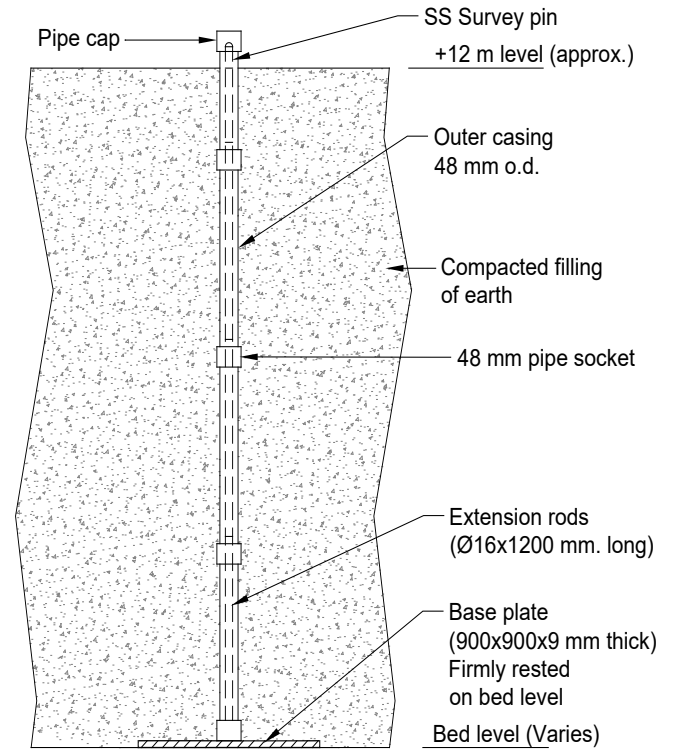
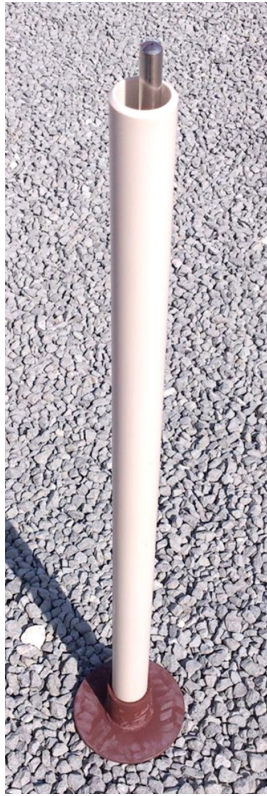
INTRODUCTION

Encardio-rite model ESMP-10C2 expandable settlement points are used for monitoring vertical settlement on the bed level of embankments & soil mass etc. as the top surface grows after the pouring of the successive layers of ground fill.

As the filling works advance, successive segments of the MS extension rods and protective PVC pipes are installed with the purpose of keeping the survey pin above the filling surface.

The device is comprised of an AISI-304 stainless steel survey pin 16 mm dia, having a hemi-spherical top with a red colored cross mark; MS extension rods approx. 1.2 m long 16 mm dia.; an outer protective PVC pipe having 48 mm o.d., 37 mm i.d and a MS grouting plate of 900 x 900 mm dia., 9 mm thickness.

A lockable protective heavy duty cover is available to protect the top of installation (to be ordered separately). A schematic installation diagram is given on next page.



Typical installation schematic

SPECIFICATIONS

Survey Pin	SS 16 mm dia. Hemi-spherical top with red colored cross mark
Extension rod	MS 16 mm dia. x 1200 mm long Pipe with threaded ends for coupling of successive segments up to the required total length
Protective PVC pipe	PVC pipe, 48 mm o.d.
Grouting plate	MS squared, 900 x 900 x 9 mm

*All specifications are subject to change without prior notice

DATASHEET | 1182-12 R02



TUNNELS



HYDROELECTRIC



CONSTRUCTION



STRUCTURAL



METRO & RAIL



BRIDGES



MINING

Encardio-Rite Group - India | Bhutan | Bahrain | Qatar | Saudi Arabia | UAE | Greece | Spain | UK | USA